

FIGURE 1

Shuffle Rubisco to improve its specificity
Form I enzyme (*Cyanobacteria*)

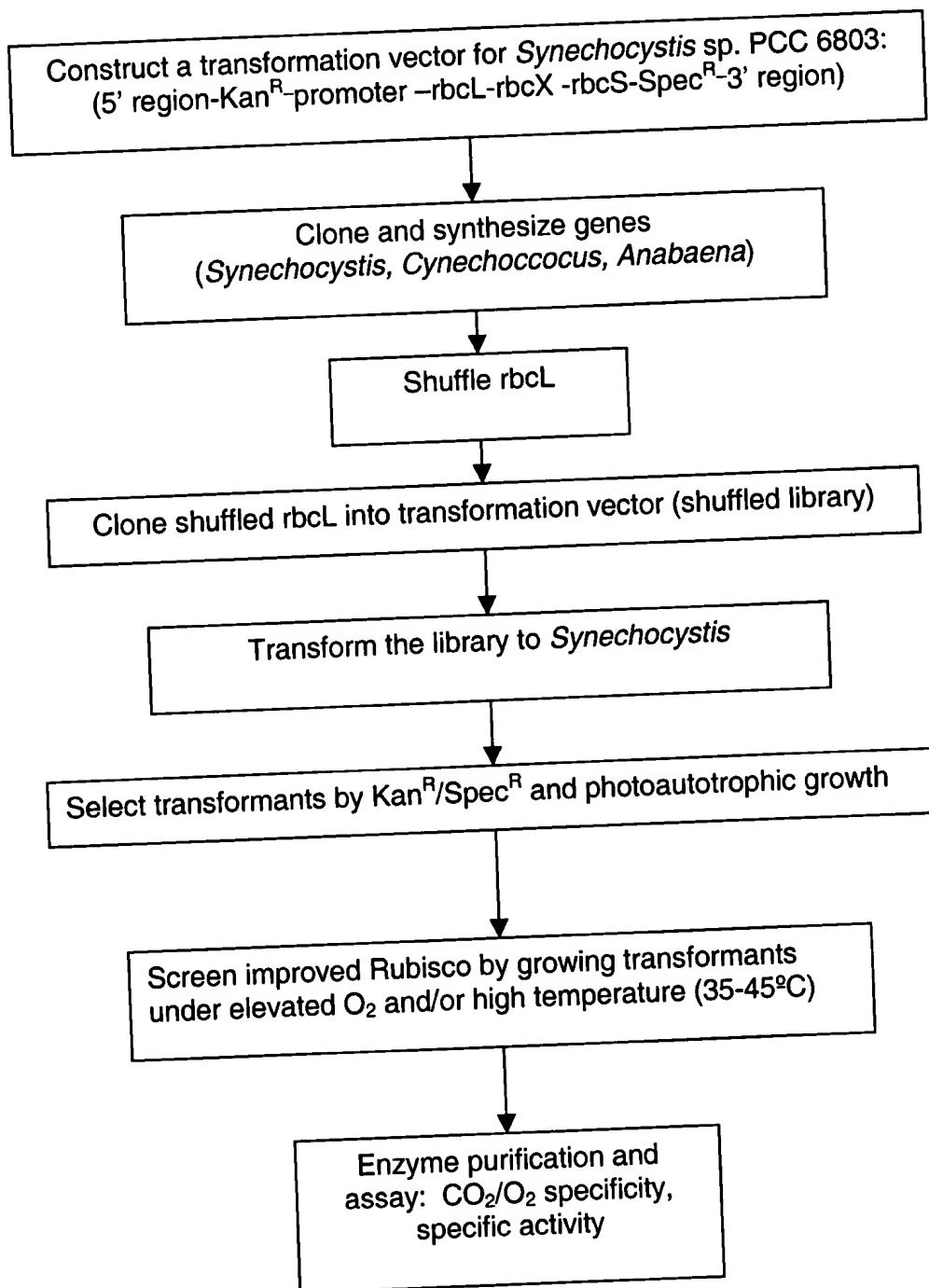




FIGURE 2

A *Synechocystis* Rubisco gene structure



B *Synechocystis* transformation – homologous replacement

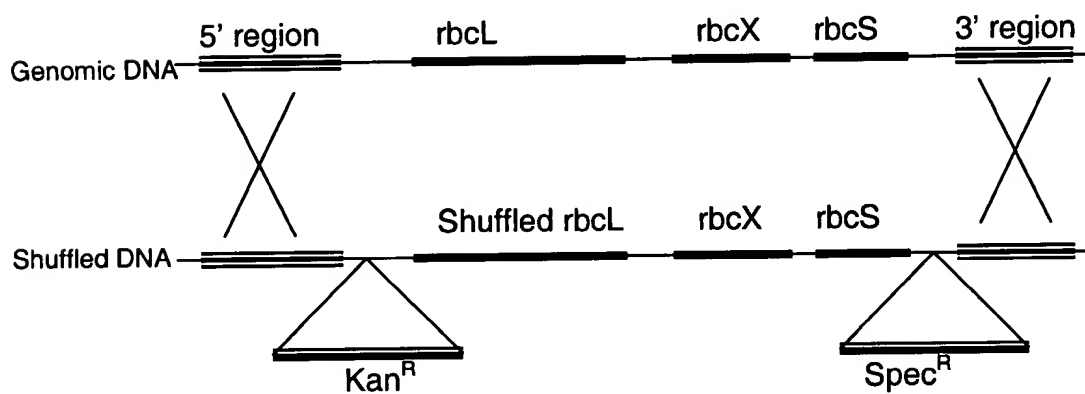




FIGURE 3

Shuffle Rubisco to improve its specificity
Form II enzyme

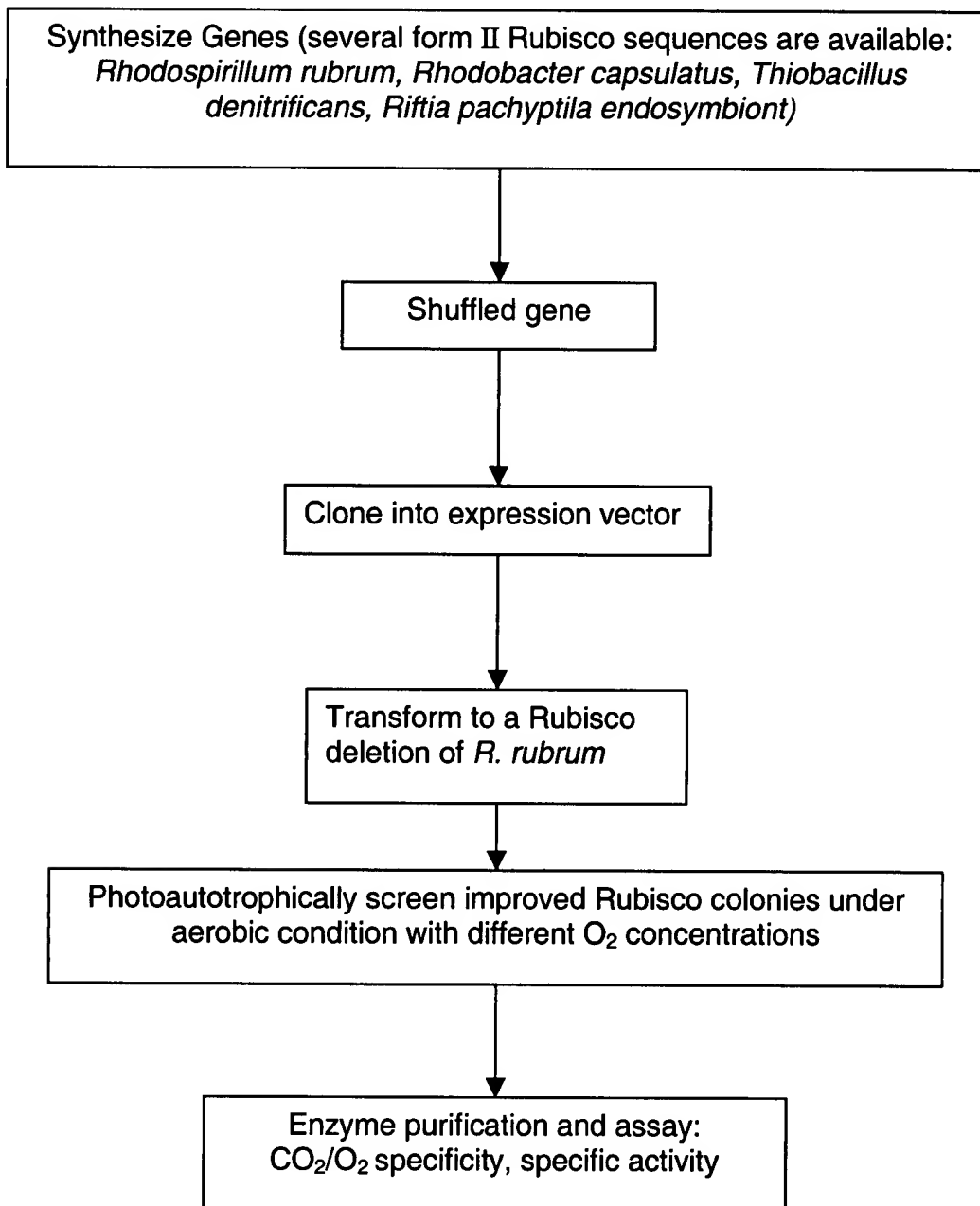
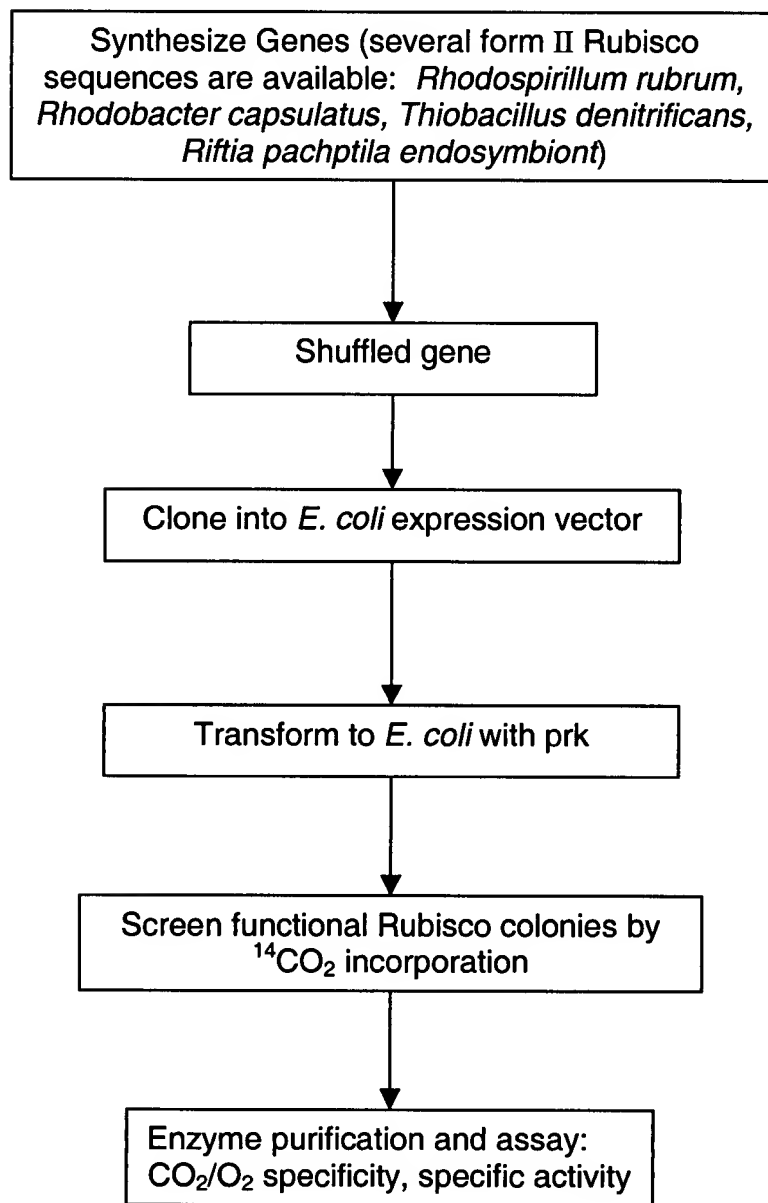




FIGURE 4

Shuffle Rubisco to improve its specificity Form II enzyme
E. coli screening system (prk)



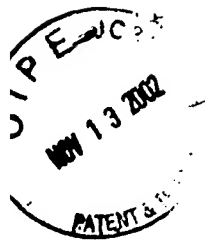


FIGURE 5

Shuffle high specificity marine Rubisco rbcL/S operon

